## Compact Disc Compact Player

**Operating Instructions** 

## About area code

The area code of the player you purchased is shown on upper left of the bar code label on the package.

For accessories supplied with your player, check the area code of your model  $% \left( 1\right) =\left( 1\right) \left( 1$ and refer to "Supplied accessories" toward the end of this manual.

For the customers not in Poland

The **B** mark on the unit is valid only for

For the customers not in Europe

For the customers not in Russia

The CE mark on the unit is valid only for products marketed in the

This mark on the unit and package is valid only for products marketed in Puggie

This mark on the unit and package

products marketed in Poland.



D-E885

Sony Corporation ©1998

## Welcome!

Thank you for purchasing the Sony Compact Disc Compact Player. Before operating your player, please read this manual and retain it for future reference.

## **WARNING**

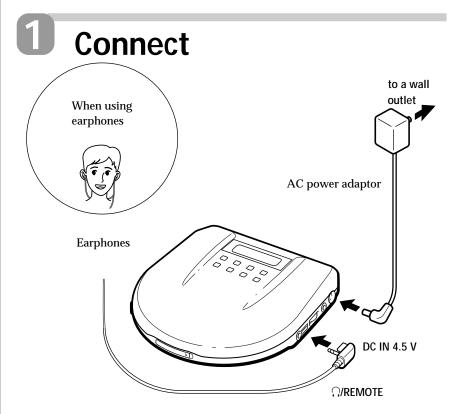
To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel

The use of optical instruments with this product will increase eye hazard.

## Playing a CD right away!

If you want to play a CD right now, choose to use your player on house current. Other choices are the following three: rechargeable battery, dry batteries (see "Power Sources" on the reverse side) and car battery.



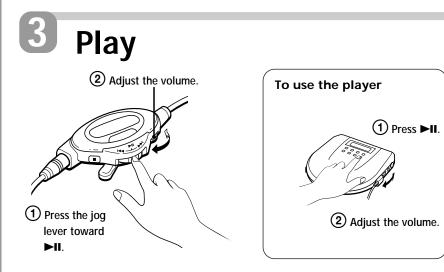
For models supplied with the AC plug adaptor If the AC power adaptor does not fit the wall outlet, use the AC plug adaptor

## For models supplied with the remote control

- · Connect the plug of the earphones to the remote control
- Connect the earphones to the remote control firmly. A loose connection may cause noise

# Place a CD Label side up 1 Slide OPEN to open the lid. 2 Fit the CD to the pivot.

3 Close the lid.



To stop play, press ■.

*Illumination of the display*When using the player on the AC power adaptor or car battery, the display on the player and that To use the remote control The lever marked with I◀◀-▶II-▶▶I is the jog lever. When you press or slide the lever,

on the remote control are always illuminated.

When you use the player on the rechargeable

illuminated for about 5 seconds when you press

optical digital connecting cord, the display is not illuminated. When you press the LIGHT button

on the remote control, the displays on the remote control and the player are illuminated for about

You can turn off the illumination of the display

by first removing the rechargeable batteries or alkaline batteries; then while pressing the PLAY

• To keep the CD clean, handle it by its edge. Do

• Do not expose the CD to direct sunlight or heat

sources such as hot air ducts. Do not leave the

• Do not stick paper or tape onto the CD.

CD in a car parked under direct sunlight.

MODE button, reinsert the batteries

Notes on handling CDs

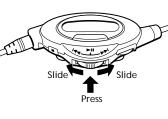
not touch the surface.

batteries or alkaline batteries, the display is

any operation button. But, when using the

and the CD stops.)

(Light of the display goes out when you press



То	Do this	
Pause	Press the jog leve toward ►II.	
Resume play after pause	Press the jog leve toward ►II.	
Find the beginning of the current track (AMS*)	Slide the jog lever toward I◀◀ once	
Find the beginning of previous tracks (AMS)	Slide the jog lever toward ◄◀ repeatedly.**	
Find the beginning of the next track (AMS)	Slide the jog lever toward ►► once.	
Find the beginning of succeeding tracks (AMS)	Slide the jog lever toward ►►I repeatedly.**	
Go forward quickly	Slide and hold the jog lever toward ▶▶1.**	
Go backwards quickly	Slide and hold the jog lever toward I◀◀.**	

\*AMS = Automatic Music Sensor \*\*These operations are possible during both play

If you press RPT/ENT (REPEAT/ENTER on the player) to display " , you can locate the tracks continuously in the following order:

- When using ▶►: next track → next track ... last track → first track → second track .....
- When using I◀■: previous track → previous track ...... first track → last track ......

You can do the operations shown in the above table using the buttons with the same marks on

To remove the CD Remove the CD while pressing the pivot.



## Notes on controlling the volume with the remote control

control to the maximum. Then adjust the volume on the player to the level that you want to be the

- Notes on display

   When you press ►II (when RESUME is set to OFF), the total number of tracks in the CD and the total playing time appear for about 2
- During play, the track number and the elapsed
- playing time of the current track appear.

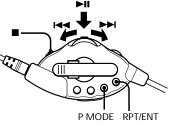
   During pause, the elapsed playing time flashes
- in the display.

   Between tracks, the time to the beginning of the next track will appear with the "-" indication.

**▶**Other Operations

## Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, INTRO PGM, shuffle or RMS (Random Music Sensor) play modes. Repeat all the tracks, only one track or the specified part within the



To repeat all the tracks Press RPT/ENT (REPEAT/ENTER on the player) during play. The " 🖚 " indication appear



To cancel repeat play, press RPT/ENT again.

## To repeat a single track 1 Press RPT/ENT while the track you want

to repeat is playing. The " \( \sigma\)" indication appears.



2 Press P (play) MODE (PLAY MODE on the player) repeatedly until "1" appears.

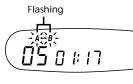


To repeat another track, slide the jog lever

To cancel repeat play, press RPT/ENT again.

## To repeat the specified part within the same track (LOOP Play)

1 During play, press P MODE repeatedly until " $A \longleftrightarrow B$ " flashes in the display.

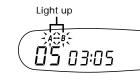


**2** Press RPT/ENT to set the point (point A) where you want to start repeat play Point A is stored in the memory.



3 Press RPT/ENT again to set the point (point B) where you want to stop repeat

Point B is stored in the memory, and repeat play starts from point A.



To change points A and B, press and hold RPT/ENT until "A←B" flashes in the display, then do steps 2 and 3 again

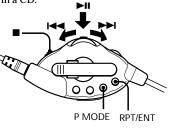
To set points A and B on other tracks, slide the jog lever toward I or ►► to select another track, then do steps 2 and 3 again

If you press  $\blacksquare$ , the stored points will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to

To cancel repeat play, press P MODE until

## Playing only the tracks you want (INTRO PGM Play)

You can choose and play your favorite tracks by scanning through the beginning of each



**1** During play, press P MODE repeatedly



**2** Press the jog lever toward ►II to start The player plays about the first 15 seconds of each track and "INTRO PGM"

**3** Press RPT/ENT while the track you want is playing. To skip the track, slide the jog lever toward ▶▶ or just wait for the next

After you have gone through the CD, "INTRO PGM" stops flashing and the tracks you have chosen play automatically

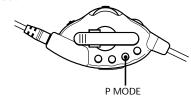
To finish programing before going through the whole CD, press the jog lever toward ►11. The selected tracks will be played.

If you press ■, the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to

To cancel INTRO PGM play, press P MODE repeatedly until the play mode indication

## Playing tracks in random order (Shuffle Play)

You can play the tracks in a CD in random



During play, press P MODE repeatedly until The tracks play in random order.

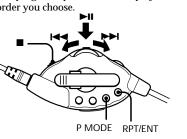


To cancel shuffle play, press P MODE repeatedly until the play mode indication disappears from the display.

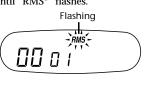
• During shuffle play, you cannot return to previous tracks by sliding the jog lever toward ►.

## Playing tracks in the order you want (RMS play)

You can program up to 22 tracks to play in

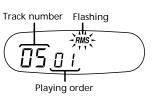


1 During play, press P MODE repeatedly until "RMS\*" flashes.



\*RMS = Random Music Sensor

2 Slide the jog lever toward or ► to The track number and the playing order



**3** Press RPT/ENT to program the track.

4 Repeat steps 2 and 3 to program the

**5** Press the jog lever toward ►II. "RMS" stops flashing and the tracks you have chosen play in the order you

If you press  $\blacksquare$ , the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

To cancel RMS play, press P MODE until "RMS" disappears from the display

## To check the program

During programing:
Press RPT/ENT before step 5. During RMS play:

Press P MODE repeatedly until "RMS flashes, then press RPT/ENT. Each time you press RPT/ENT, the track number and the playing order appear in the order you specified.

• If you program another track after the 22nd track, the first track programed is cleared and the new track is programed instead.

To minimize skipping (ESP2) The ESP (Electronic Shock Protection

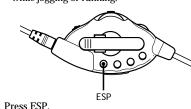
function minimize skipping by using a buffer memory that stores music data and plays it back in the event of a shock. The new ESP<sup>2</sup> (ESP Squared) system uses a new DSP (Digital Signal Processor) which can read and store music data more efficiently and with superior sound quality, providing a level of continuous skip protection not found in traditional buffer memory units. This decreases the frequency of sound skipping

**Using other functions** 

while walking.\* <sup>\*</sup> Although ESP<sup>2</sup> provides excellent protection against skipping, it will not prevent skipping

and the need to utilize the buffer memory.

Use this function when listening in a car or



The ESP indication appears.



To release the ESP function, press ESP again

• Playing may stop when the player gets a strong shock even with the ESP function or

 You may hear a noise or sound skip when: — listening to a dirty or scratched CD,
— listening to an audio test CD or,

the player receives continuous shock.Sound may drop for a while if you press ESF during play.

• When you use an optical digital connecting

cord, the ESP function will be disabled

To enjoy more powerful bass sound (Sound function)

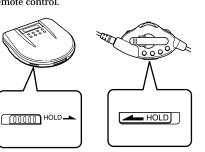
You can enjoy a powerful bass-boosted sound



Press SOUND to select "MB (Mega Bass)" or "GRV (Groove)," "GRV" is more effective

• If the sound is distorted when emphasizing bass, turn down the volume.

To lock the buttons You can lock your player against any You can still operate the player with the

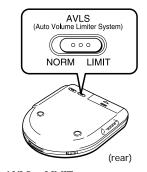


Slide HOLD in the direction of the arrow. When you press any button, "Hal d" appears in the display and you cannot operate the playe

To unlock, slide HOLD back.

Continue to the reverse side →

To protect your hearing (AVLS) The AVLS (Automatic Volume Lim System) function keeps down the maximum volume to protect your ears.

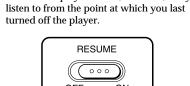


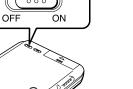
Set AVLS to LIMIT. The AVLS indication appears.



## • If you use the SOUND function and the AVLS function at the same time, sound may be distorted. If this happens, turn down the

To resume playing from the point you stopped the CD (Resume Play) Normally, every time you stop and play playing starts from the beginning of the CD. The resume play function, however, lets you





Set RESUME to ON.

To cancel resume play, set RESUME to OFF.

## • Even if RESUME is set to ON, playing starts

- from the beginning when you open the lid.
- The resume point may be inaccurate by about

## To turn off the beep

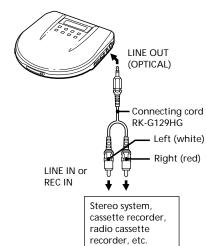
You can turn off the beep that sounds as you operate your player.

Disconnect the power source (AC power adaptor, rechargeable battery or alkaline batteries). While you press and hold down ■ connect the power source again. To make the beep sound again, disconnect the power source, and then connect it without pressing

## Connecting to other stereo equipment

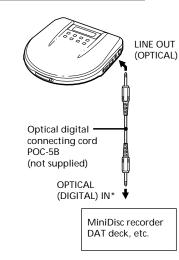
You can listen to the CD through other stereo equipment or record a CD on a cassette tape or a MiniDisc. Refer to the instruction manual of the other equipment for details. Before making onnections, turn off each piece of equipment.

## Using the connecting cord



• When you use a connecting cord, the SOUND function will be disabled

## Using the optical digital connecting cord



\*If the OPTICAL (DIGITAL) IN jack is square shaped, use the POC-5AB optical digital

## Notes on connecting to other stereo

- Before you play the CD, turn down the volume of the connected equipment so as not to damage the connected speakers. • The beep sound is not output from the LINE
- OUT (OPTICAL) jack. When you connect other equipment to the LINE OUT (OPTICAL) jack of this player,
- When you record a CD on a cassette tape using a tape recorder that has the blank search function, release the ESP function. If the ESP
- Use the AC power adaptor for recording. If you use the rechargeable batteries or dry batteries as a power source, batteries may become weak during recording

function is on, the blank search function does

## Recording with optical digital

Record a CD on a MiniDisc, DAT, etc., according

- to the following procedure.

  1 Press ►II on the player to start play.
- 2 Press ►II again to pause.
  3 Press I ✓ ✓ ► I to select the track you want to
- 4 Press (record) on the MiniDisc recorder,
- 5 Press ►II on the player to release pause.

- Connect the optical digital connecting cord while the player is in stop mode. If you record without pausing the player, some CD may have problem with recording the first
- track number correctly.

   The SOUND function works on the output
- from the \(\cap{REMOTE}\) jack, but does not work on that from the LINE OUT (OPTICAL) jack. When use an optical digital connecting cord the ESP function will be disabled.

## Playing a CD in a car

You can use your player in a car by connecting it to the car cassette deck

You cannot use the car mount plate for this When you use the player in a car, install it securely in a location which does not

To connect your player to a car cassette deck you need the following accessories: • Car connecting pack CPA-9

• Car battery cord DCC-E245

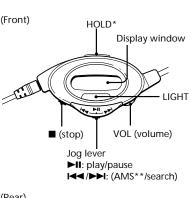
interfere your driving.

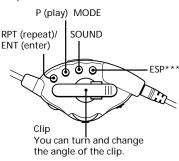
• Car battery cord with car connecting pack DCC-E26ČP Refer to the instruction manual of each accessory for details.

- Do not put the player on the dashboard. Do not leave the player in a car parked under
- Use a Sony car connecting pack for reducing
- Use only the car battery cord listed in the recommended accessories. If you use any other car battery cord, smoke, fire or malfunction may occur.

Switched ignition function (when using the car battery cord) With this feature, your player stops automatically when you turn off the engine of the car. (This function is not possible with some cars depending on the model).

## Using the supplied remote control

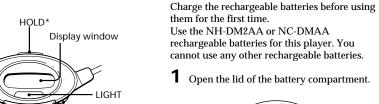




- \* When you are not using the remote control, slide HOLD in the direction of the arrow to prevent any accidental operations. To unlock, slide HOLD back.
- \*\*\*Electronic Shock Protection

• Use only the supplied remote control. You cannot operate this player with the remote control supplied with other models.

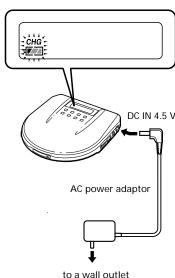
You can use the remote control as the wired





matching the  $\oplus$  and  $\ominus$  to the diagram the lid.

**3** Connect the AC power adaptor. The indication "CHG" lights up. Charge for about 4 hours. (If the battery has been already charged, "CHG" and flash.)



**4** When fully charged, "CHG" disappears.

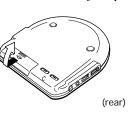
## When to charge the rechargeable batteries

When the rechargeable batteries become weak, Indication appears in the display. If the "Lo batt" appears in the display, charge the rechargeable batteries, because the batteries are used up. To keep the original battery capacity for a long time, recharge the batteries when the

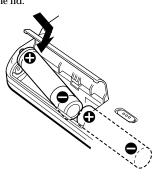
Make sure to use the supplied battery If you carry the rechargeable battery with a metal object, short circuit, smoke or fire may

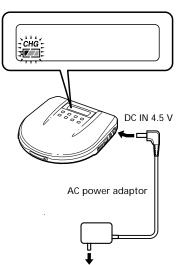
## **▶**Power Sources

## Using rechargeable batteries



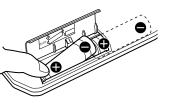
**2** Insert two rechargeable batteries by





Disconnect the AC power adaptor

## To take out the rechargeable



## When carrying the rechargeable battery

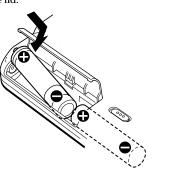
batteries are used up (discharged).

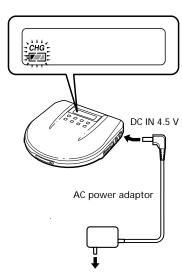
carrying case.

other rechargeable battery.

DMAA rechargeable battery. Do not use any • The supplied rechargeable batteries are only



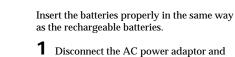




Take out the batteries in the proper way as

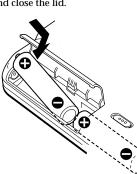
- Charging time varies depending on how the rechargeable battery is used.
- If the battery is new or has not been used for a long time, it may not be charged completely
- until you charge and discharge it several times • If the battery life becomes shorter by about half replace it with Sony NH-DM2AA or NC-
- for this player. You cannot use them for other

## Using dry batteries



2 Insert two LR6 (size AA) alkaline batteries by matching the  $\oplus$  and  $\ominus$  to the diagram inside the battery compartment and close the lid.

open the lid of the battery compartment.



• Do not use manganese batteries for this player

## To take out the dry batteries Take out the batteries properly in the same way as the rechargeable batteries.

When to replace the dry batteries When the battery becomes weak, indication appears in the display. If the batteries are used up, "Lo batt" appears in the display. Replace all the batteries with new

## Notes

- Do not charge the dry batteries. • Do not mix new batteries with old ones.
- Do not use different types of batteries together

ESP function

- When the batteries are not to be used for a long time, remove them.
- If the battery leakage occurs, wipe off any deposit in the battery compartment, and install

Battery life (approx. hours) (EIAJ\*) Battery life varies depending on how the player is used.

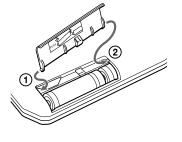
J	off	on	
Two NH-DM2AA (charged for about 4 hours**)	14	13	
Two NC-DMAA (charged for about 4 hours**)	8	7	
Two Sony alkaline batteries LR6SG	25	23	

## Measured value by the standard of EIAJ (Electronic Industries Association of Japan) (When you use the player on a flat and stable place; When you do not use the optical digital necting cord)

If the battery compartment lid is detached by

an accidental drop, excessive force, etc., attach

\*\*Charging time varies depending on how the How to attach the battery compartment lid



## ► Additional Information

4.5 V (external power input) jack.

On the AC power adaptor

other AC power adaptor.

Polarity of the plug

• When you are not using the player for a long time, disconnect all power sources from the

• Use only the supplied AC power adaptor. If your player is not supplied with it, use AC-

E45HG AC power adaptor. Do not use any

• To unplug the AC power adaptor from the wall

outlet, grasp the adaptor itself, do not pull its

On dry and rechargeable batteries

This player is designed so that it cannot charge

any other rechargeable batteries or dry batteries

Other rechargeable batteries or dry batteries

When you replace the rechargeable batteries with new ones, make sure to use the NH-DM2AA/

• Do not carry the batteries with coins or other

metallic objects. It can generate heat if the positive and negative terminals of the battery

are accidentally contacted by a metallic object

• Do not mix rechargeable batteries with dry

On the player
• Keep the lens on the player clean and do not

touch it. If you do so, the lens may be

damaged and the player will not operate

• Do not put any heavy object on top of the

• Do not leave the player in a location near heat

sources, or in a place subject to direct sunlight,

player. The player and the CD may be

NC-DMAA rechargeable batteries.

Do not throw the batteries into fire

The supplied rechargeable batteries

batteries (NC-DMAA)

(NH-DM2AA) or optional rechargeable

**Precautions** 

On power sources

On safety

player.

## • Should any solid objects or liquid fall into the player, unplug it and have it checked by qualified personnel before operating it any

- Do not put any foreign objects in the DC IN

## **Troubleshooting**

Should any problem persist after you have made The CD does not play or "no di 50"

- appears in the display though a CD is placed in the player.
- until the moisture evaporates.
- → Close the lid of the player and the battery compartment firmly.
- → Connect the AC power adaptor to a wall

## the display for a moment, and disappears. The CD does not play

used up. Charge the rechargeable battery or replace dry batteries with new ones.

## No sound, or noise is heard.

- → Connect the plugs firmly.→ Plugs are dirty. Clean the plugs with a dry soft cloth periodically
- → Use only the supplied AC power adaptor
  - → Use only the car battery cord listed in the

## you press a button. → The buttons are locked. Slide HOLD back.

- when you press a button. → The rechargeable batteries are used up completely. Connect the AC power
- excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed. • If the player causes interference to the radio or The battery life is short.
- television reception, turn off the player or move it away from the radio or television. → Manganese batteries are used. Use alkaline Do not wrap the player in a cloth or blanket during use as it may cause malfunction or

## On headphones/earphones Road safety Do not use headphones/earphones while

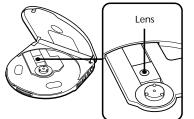
driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings You should exercise extreme caution or discontinue use in potentially hazardous

Preventing hearing damage Avoid using headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume

## Caring for others Keep the volume at a moderate level. This will considerate to the people around you.

## Maintenance

## To clean the lens Clean the lens with a lens cleaning kit KK-DM1



To clean the casing Use a soft cloth slightly mois mild detergent solution. Do not use alcohol.

- → The CD is dirty or defective.
  → Insert the CD with the label side up. → Moisture condensation has occurred.
   Leave the player aside for several hours
- → The lens is dirty.
- → Make sure the batteries are inserted

## When you press ►II, "00" appears in

→ Rechargeable battery or dry batteries are

- "HI dc In" appears in the display.
- or recommended AC power adaptor AC-E45HG (not supplied).

## "Hal d" appears in the display when

- "Lo batt" appears in the display
- adaptor and charge the batteries.

  → The dry batteries are use up. Replace them

## → Replace the batteries with new ones The volume is limited to a certain

level even if you attempt to turn it

→ The earphones are connected to the LINE OUT jack. Connect them to the \(\int \text{REMOTE jack}.\)

**During recording with optical digital** 

connection, the track number cannot

→ AVLS selector is set to LIMIT. Set it to

be recorded correctly. → Record the track number again using the MiniDisc recorder DAT recorder etc → Record again according to the procedure

shown in the section "Connecting to other

## **Specifications**

Wavelength:  $\lambda = 780 \text{ nr}$ 

## CD player section

Error correction

D-A conversion

Solomon Code

1-bit quartz time-axis control

Headphones (stereo minijack) 15 mW + 15 mW at 16 ohms

Output (at 4.5 V input level)

Recommend 10 kilohms

Power requirements

General

Compact disc digital audio system Laser diode properties Material: GaAlAs

optical pick-up block with 7 mm aperture.)

Sony Super Strategy Cross Interleave Reed

Frequency response 20 - 20,000 Hz <sup>+1</sup><sub>-2</sub>dB (measured by EIAJ CP-

Line output (stereo minijack)
Output level 0.7 V rms at 47 kilohms

Optical digital output (optical output

For the area code of the model you purchased

check the upper left side of the bar code on the

batteries: 2.4 V DC
Two Sony NC-DMAA rechargeable

• Two LR6 (size AA) batteries: 3 V DC

• AC power adaptor (DC IN 4.5 V jack): U2/CA2/E92 model: 120 V, 60 Hz

CED/CEX/CET/EE1/E13 model

EA3 model: 110 - 240 V, 50/60 Hz

JE.W/E33 model: 100 - 240 V, 50/60 Hz

• Sony DCC-E245 car battery cord for use on

Dimensions (w/h/d) (without projecting parts

CFK model: 230 - 240 V 50 Hz

AU2 model: 240 V 50 Hz

HK2 model: 220 V 50/60 Hz

Approx.  $131.8 \times 24.2 \times 142.0$  mm (5  ${}^{1}\!\!/_{4} \times {}^{31}\!\!/_{32} \times 5 \, {}^{5}\!\!/_{8}$  in.)

Mass (without rechargeable batteries)

For the area code of the model you purchased

check the upper left side of the bar code on the

Design and specifications are subject to change

Earphones with remote control (1)

Rechargeable batteries (2)

Supplied with E13 model

CN2/AR1 model: 220 V, 50 Hz

package.
• Two Sony NH-DM2AA rechargeable

batteries: 2.4 V DC

220 - 230 V, 50/60 Hz

car battery: 4.5 V DC

Approx. 210 g (7.4 oz)

Supplied accessories

package.
AC power adaptor (1)

AC plug adaptor (1)\*

Carrying case (1)

Battery carrying case (1)

and controls)

Wavelength: 630 - 690 nm at peak level

Output level: -21 - -15 dBm

- Laser output: Less than 44.6 µW (This output is the value measured at a distance of 200 mm from the objective lens surface on the
  - reo headphones MDR-35, MDR-E848LP\* For the customers supplied with the headphones with remote control: When connecting optional headphones to

AC power adaptor AC-E45HG

Rechargeable battery NH-DM2AA, NC-DMAA (2P)

**Optional accessories** 

DCC-E26CP

SRS-A71

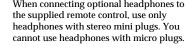
Car connecting pack CPA-9

Car battery cord DCC-E245

Car battery cord with car connecting pack

Active speaker system SRS-A21, SRS-A41,

Connecting cord RK-G129HG Optical digital connecting cord POC-5B, POC-10B, POC-15B, POC-5AB, POC-10AB, POC-15AB







Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about the accessories in

